

Ag. Waste Application and Excavated Ponds
Harding County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AaA: Amor-----	85	Somewhat limited Depth to bedrock Droughty	0.42 0.05	Very limited Deep to water	1.00
AaB: Amor-----	85	Somewhat limited Depth to bedrock Droughty	0.42 0.05	Very limited Deep to water	1.00
AcC: Amor-----	50	Somewhat limited Depth to bedrock Droughty	0.42 0.05	Very limited Deep to water	1.00
Cabba-----	25	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.06	Very limited Deep to water	1.00
AdC: Amor-----	50	Somewhat limited Depth to bedrock Droughty	0.42 0.05	Very limited Deep to water	1.00
Rhoades-----	25	Very limited Restricted permeability Sodium content Droughty Salinity Runoff limitation	1.00 1.00 0.91 0.78 0.40	Very limited Deep to water	1.00
AeB: Amor-----	55	Somewhat limited Depth to bedrock Droughty	0.42 0.05	Very limited Deep to water	1.00
Werner-----	25	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.06	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AkA: Archin-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Bullock-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.87 0.42 0.40	Very limited Deep to water	1.00
Ar: Arnegard-----	85	Not limited		Very limited Deep to water	1.00
AsA: Assinniboine-----	85	Not limited		Very limited Deep to water	1.00
AsB: Assinniboine-----	85	Not limited		Very limited Deep to water	1.00
AtA: Assinniboine-----	50	Not limited		Very limited Deep to water	1.00
Archin-----	25	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
AwB: Attewan-----	85	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Ba: Badland-----	85	Not rated		Not rated	

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
BeC: Boxwell-----	85	Somewhat limited Depth to bedrock Droughty	0.42 0.08	Very limited Deep to water	1.00
BkF: Bullock-----	85	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.71 0.42 0.40	Very limited Deep to water	1.00
BnA: Bullock-----	55	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.87 0.42 0.40	Very limited Deep to water	1.00
Assinniboine-----	30	Not limited		Very limited Deep to water	1.00
BoD: Bullock-----	45	Very limited Restricted permeability Sodium content Droughty Slope Depth to bedrock	1.00 1.00 0.91 0.63 0.42	Very limited Deep to water	1.00
Cabbart-----	30	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
BpB: Bullock-----	40	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.91 0.42 0.40	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Parchin-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.70 0.42 0.40	Very limited Deep to water	1.00
Slickspots, Dry-----	15	Not rated		Not rated	
BsA: Bullock-----	55	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.91 0.42 0.40	Very limited Deep to water	1.00
Slickspots, Dry-----	25	Not rated		Not rated	
CaD: Cabba-----	35	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.06	Very limited Deep to water	1.00
Lantry-----	30	Very limited Slope Restricted permeability Depth to bedrock Droughty	1.00 0.89 0.42 0.08	Very limited Deep to water	1.00
Amor-----	20	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.42 0.05	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
CbD: Cabba-----	45	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.06	Very limited Deep to water	1.00
Reeder-----	35	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.42 0.16	Very limited Deep to water	1.00
CcE: Cabbart-----	80	Very limited Slope Depth to bedrock Cobble content Droughty Low adsorption	1.00 1.00 1.00 1.00 0.44	Very limited Deep to water	1.00
CdE: Cabbart-----	50	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
Delridge-----	25	Very limited Slope Depth to bedrock Droughty	1.00 0.42 0.29	Very limited Deep to water	1.00
CeE: Cabbart-----	50	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	25	Not rated		Not rated	

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
ChA: Chinook-----	85	Not limited		Very limited Deep to water	1.00
CnA: Chinook-----	55	Not limited		Very limited Deep to water	1.00
Archin-----	25	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
CoE: Cohagen-----	75	Very limited Slope Depth to bedrock Droughty Low adsorption	1.00 1.00 1.00 0.01	Very limited Deep to water	1.00
CrF: Cohagen-----	35	Very limited Slope Depth to bedrock Droughty Low adsorption	1.00 1.00 1.00 0.01	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	25	Not rated		Not rated	
Cabba Variant-----	20	Very limited Slope Depth to bedrock Droughty	1.00 1.00 1.00	Very limited Deep to water	1.00
DcC: Delridge-----	55	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.42 0.29	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Cabbart-----	25	Very limited Depth to bedrock Droughty Slope Runoff limitation Low adsorption	1.00 1.00 0.63 0.40 0.32	Very limited Deep to water	1.00
Du: Orthents, Tailings--	100	Not rated		Not rated	
Dw: Dune Land-----	90	Not rated		Not rated	
EaA: Eapa-----	85	Not limited		Very limited Deep to water	1.00
EcA: Eapa-----	45	Not limited		Very limited Deep to water	1.00
Archin-----	30	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
FaB: Farnuf-----	85	Not limited		Very limited Deep to water	1.00
FtE: Fleak-----	35	Very limited Slope Depth to bedrock Droughty Filtering capacity	1.00 1.00 1.00 1.00	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Trey-----	25	Very limited Slope Droughty Filtering capacity Leaching limitation Depth to bedrock	1.00 1.00 1.00 0.45 0.42	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	20	Not rated		Not rated	
GdA: Gerdrum-----	85	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
Ge: Glendive-----	85	Somewhat limited Salinity	0.01	Very limited Deep to water	1.00
GhB: Glendive-----	50	Somewhat limited Salinity	0.01	Very limited Deep to water	1.00
Archin-----	25	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
GkA: Grail-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
GrA: Grail-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Daglum-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
Ha: Hanly-----	85	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Hb: Hanly-----	85	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Hd: Hanly-----	45	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Dogiecreek-----	35	Very limited Salinity Depth to saturated zone Filtering capacity Flooding	1.00 1.00 1.00 0.60	Very limited Cutbanks cave Salty water	1.00 1.00
He: Hanly-----	60	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Slickspots, Dry-----	20	Not rated		Not rated	

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Hf: Harlake-----	85	Very limited Restricted permeability Flooding Runoff limitation	1.00 0.60 0.40	Very limited Deep to water	1.00
Hg: Havre-----	85	Not limited		Very limited Deep to water	1.00
Hh: Havre-----	50	Not limited		Very limited Deep to water	1.00
Harlake-----	25	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Hk: Heil-----	85	Very limited Restricted permeability Depth to saturated zone Ponding Salinity Runoff limitation	1.00 1.00 1.00 0.50 0.40	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
HsB: Hisle-----	55	Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity	1.00 1.00 0.42 0.40 0.35	Very limited Deep to water	1.00
Slickspots, Dry-----	25	Not rated		Not rated	

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
KcF: Kirby-----	30	Very limited Slope Droughty Filtering capacity Leaching limitation	1.00 1.00 1.00 0.45	Very limited Deep to water	1.00
Cabbart-----	25	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	20	Not rated		Not rated	
Ke: Korchea-----	85	Not limited		Very limited Deep to water	1.00
Kg: Korchea-----	80	Very limited Flooding	1.00	Very limited Deep to water	1.00
Km: Korchea-----	50	Not limited		Very limited Deep to water	1.00
Archin-----	30	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
KoA: Kremlin-----	85	Not limited		Very limited Deep to water	1.00
KrA: Kremlin-----	55	Not limited		Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Archin-----	25	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
KyB: Kyle-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
Le: Lallie-----	85	Very limited Restricted permeability Depth to saturated zone Flooding Runoff limitation Salinity	1.00 1.00 1.00 0.40 0.01	Very limited Slow refill Cutbanks cave	1.00 0.10
LhD: Lismas-----	50	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 0.63 0.40	Very limited Deep to water	1.00
Hisle-----	30	Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity	1.00 1.00 0.42 0.40 0.35	Very limited Deep to water	1.00
LkD: Lismas-----	45	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Winler-----	30	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00 1.00 0.63 0.42 0.40	Very limited Deep to water	1.00
LrF: Lismas-----	55	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Soft--	20	Not rated		Not rated	
MaB: Marmarth-----	85	Somewhat limited Depth to bedrock Droughty	0.42 0.22	Very limited Deep to water	1.00
McC: Marmarth-----	55	Somewhat limited Depth to bedrock Droughty	0.42 0.22	Very limited Deep to water	1.00
Cabbart-----	25	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
MpB: Marmarth-----	50	Somewhat limited Depth to bedrock Droughty	0.42 0.22	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Parchin-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.70 0.42 0.40	Very limited Deep to water	1.00
MtC: Marmarth-----	50	Somewhat limited Depth to bedrock Droughty	0.42 0.22	Very limited Deep to water	1.00
Twilight-----	30	Somewhat limited Droughty Depth to bedrock	0.97 0.42	Very limited Deep to water	1.00
MtD: Marmarth-----	45	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.42 0.22	Very limited Deep to water	1.00
Twilight-----	30	Somewhat limited Droughty Slope Depth to bedrock	0.97 0.63 0.42	Very limited Deep to water	1.00
NaD: Nihill Variant-----	45	Very limited Slope Droughty Depth to bedrock	1.00 0.89 0.42	Very limited Deep to water	1.00
Attewan-----	30	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
PbB: Parchin-----	50	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.70 0.42 0.40	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Bullock-----	30	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.91 0.42 0.40	Very limited Deep to water	1.00
PhA: Parshall-----	85	Not limited		Very limited Deep to water	1.00
Pt: Orthents, Gravelly--	100	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.71 0.45	Very limited Deep to water	1.00
RbB: Reeder-----	85	Somewhat limited Depth to bedrock Droughty	0.42 0.16	Very limited Deep to water	1.00
RcC: Reeder-----	55	Somewhat limited Depth to bedrock Droughty	0.42 0.16	Very limited Deep to water	1.00
Cabba-----	25	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.06	Very limited Deep to water	1.00
ReB: Reeder-----	55	Somewhat limited Depth to bedrock Droughty	0.42 0.16	Very limited Deep to water	1.00
Rhoades-----	25	Very limited Restricted permeability Sodium content Droughty Salinity Runoff limitation	1.00 1.00 0.91 0.78 0.40	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
RfE: Reva-----	50	Very limited Slope Depth to bedrock Droughty Runoff limitation	 1.00 1.00 1.00 0.40	Very limited Deep to water	 1.00
Slimbutte-----	25	Very limited Slope Filtering capacity Droughty	 1.00 1.00 0.05	Very limited Deep to water	 1.00
RgE: Reva-----	50	Very limited Slope Depth to bedrock Droughty Runoff limitation	 1.00 1.00 1.00 0.40	Very limited Deep to water	 1.00
Rock Outcrop, Sandy-	25	Not rated		Not rated	
RhB: Rhame-----	80	Somewhat limited Droughty Depth to bedrock	 0.53 0.42	Very limited Deep to water	 1.00
RmB: Rhame-----	55	Somewhat limited Depth to bedrock Droughty	 0.42 0.30	Very limited Deep to water	 1.00
Parchin-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	 1.00 1.00 0.70 0.42 0.40	Very limited Deep to water	 1.00

Ag. Waste Application and Excavated Ponds -- continued
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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
RnA: Rhoades-----	60	Very limited Restricted permeability Sodium content Droughty Runoff limitation Salinity	1.00 1.00 0.47 0.40 0.35	Very limited Deep to water	1.00
Daglum-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
RnB: Rhoades-----	50	Very limited Restricted permeability Sodium content Droughty Salinity Runoff limitation	1.00 1.00 0.91 0.78 0.40	Very limited Deep to water	1.00
Daglum-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation Droughty	1.00 1.00 0.78 0.40 0.13	Very limited Deep to water	1.00
RoF: Rock Outcrop, Sandy-	85	Not rated		Not rated	
RrF: Rock Outcrop, Sandy-	40	Not rated		Not rated	

Ag. Waste Application and Excavated Ponds -- continued
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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Reva-----	35	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
RsF: Rockoa-----	50	Very limited Slope Cobble content Large stones on the surface	1.00 0.98 0.18	Very limited Deep to water	1.00
Reva-----	25	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
SaA: Sage-----	85	Very limited Restricted permeability Salinity Depth to saturated zone Droughty Flooding	1.00 1.00 1.00 0.60 0.60	Very limited Salty water Slow refill Cutbanks cave	1.00 1.00 0.10
SbA: Sage-----	60	Very limited Restricted permeability Salinity Depth to saturated zone Droughty Runoff limitation	1.00 1.00 1.00 0.79 0.40	Very limited Salty water Slow refill Cutbanks cave	1.00 1.00 0.10
Hisle Variant-----	20	Very limited Restricted permeability Sodium content Depth to saturated zone Droughty Leaching limitation	1.00 1.00 1.00 0.96 0.50	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
SgA: Savage-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
ShB: Shambo-----	85	Not limited		Very limited Deep to water	1.00
SmB: Shambo-----	50	Not limited		Very limited Deep to water	1.00
Rhoades-----	25	Very limited Restricted permeability Sodium content Droughty Runoff limitation Salinity	1.00 1.00 0.47 0.40 0.35	Very limited Deep to water	1.00
Sn: Slickspots, Dry-----	85	Not rated		Not rated	
SpC: Slimbutte-----	35	Very limited Filtering capacity Slope Droughty	1.00 0.04 0.01	Very limited Deep to water	1.00
Arnegard-----	25	Not limited		Very limited Deep to water	1.00
Reva-----	20	Very limited Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 0.40 0.04	Very limited Deep to water	1.00
SrE: Slimbutte-----	50	Very limited Slope Filtering capacity Droughty	1.00 1.00 0.05	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Reva-----	30	Very limited Slope Depth to bedrock Droughty Runoff limitation	 1.00 1.00 1.00 0.40	Very limited Deep to water	 1.00
SwA: Swanboy-----	85	Very limited Restricted permeability Runoff limitation Salinity Droughty	 1.00 0.40 0.35 0.06	Very limited Deep to water	 1.00
SyA: Swanboy-----	55	Very limited Restricted permeability Runoff limitation Salinity Droughty	 1.00 0.40 0.35 0.06	Very limited Deep to water	 1.00
Slickspots, Dry-----	25	Not rated		Not rated	
TnB: Tanna-----	85	Very limited Restricted permeability Depth to bedrock Runoff limitation Droughty	 1.00 0.42 0.40 0.20	Very limited Deep to water	 1.00
ToA: Tanna-----	50	Very limited Restricted permeability Depth to bedrock Runoff limitation Droughty	 1.00 0.42 0.40 0.20	Very limited Deep to water	 1.00
Gerdrum-----	35	Very limited Restricted permeability Sodium content Salinity Runoff limitation	 1.00 1.00 0.78 0.40	Very limited Deep to water	 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
ToC: Tanna-----	55	Very limited Restricted permeability Depth to bedrock Runoff limitation Droughty	1.00 0.42 0.40 0.20	Very limited Deep to water	1.00
Rhoades-----	25	Very limited Restricted permeability Sodium content Droughty Salinity Runoff limitation	1.00 1.00 0.91 0.78 0.40	Very limited Deep to water	1.00
TrB: Trey-----	85	Very limited Droughty Filtering capacity Leaching limitation Depth to bedrock	1.00 1.00 0.45 0.42	Very limited Deep to water	1.00
TtC: Trey-----	55	Very limited Droughty Filtering capacity Leaching limitation Depth to bedrock	1.00 1.00 0.45 0.42	Very limited Deep to water	1.00
Fleak-----	20	Very limited Depth to bedrock Droughty Filtering capacity Slope	1.00 1.00 1.00 0.63	Very limited Deep to water	1.00
TvB: Trey-----	40	Very limited Droughty Filtering capacity Leaching limitation Depth to bedrock	1.00 1.00 0.45 0.42	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Parchin-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.70 0.42 0.40	Very limited Deep to water	1.00
Bullock-----	15	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.91 0.42 0.40	Very limited Deep to water	1.00
TwC: Twilight-----	85	Somewhat limited Droughty Depth to bedrock	0.97 0.42	Very limited Deep to water	1.00
TxE: Twilight-----	55	Somewhat limited Droughty Slope Depth to bedrock	0.97 0.63 0.42	Very limited Deep to water	1.00
Blackhall-----	25	Very limited Slope Depth to bedrock Droughty Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
TyC: Twilight-----	55	Somewhat limited Droughty Slope Depth to bedrock	0.97 0.63 0.42	Very limited Deep to water	1.00
Parchin-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.70 0.42 0.40	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Harding County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
TzA: Twotop-----	85	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Deep to water	1.00
VaF: Vanocker-----	50	Very limited Slope Large stones on the surface	1.00 0.18	Very limited Deep to water	1.00
Reva-----	25	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
VbB: Vebar-----	85	Somewhat limited Depth to bedrock Droughty	0.42 0.25	Very limited Deep to water	1.00
VcC: Vebar-----	50	Somewhat limited Depth to bedrock Droughty	0.42 0.25	Very limited Deep to water	1.00
Cohagen-----	25	Very limited Depth to bedrock Droughty Low adsorption	1.00 1.00 0.01	Very limited Deep to water	1.00
VcD: Vebar-----	45	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.42 0.25	Very limited Deep to water	1.00
Cohagen-----	30	Very limited Depth to bedrock Droughty Slope Low adsorption	1.00 1.00 0.63 0.01	Very limited Deep to water	1.00
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated	

Ag. Waste Application and Excavated Ponds -- continued
Harding County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
WaB: Watrous-----	55	Somewhat limited Depth to bedrock Droughty	0.42 0.04	Very limited Deep to water	1.00
Werner-----	30	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.06	Very limited Deep to water	1.00
WbB: Watrous-----	45	Somewhat limited Depth to bedrock Droughty	0.42 0.04	Very limited Deep to water	1.00
Rhoades-----	35	Very limited Restricted permeability Sodium content Droughty Salinity Runoff limitation	1.00 1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
WdC: Werner-----	45	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.06	Very limited Deep to water	1.00
Reva-----	30	Very limited Depth to bedrock Droughty Runoff limitation	1.00 1.00 0.40	Very limited Deep to water	1.00
WeC: Werner-----	55	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.06	Very limited Deep to water	1.00
Watrous-----	25	Somewhat limited Depth to bedrock Droughty	0.42 0.04	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Harding County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
WhB: Winler-----	50	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Hisle-----	30	Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity	1.00 1.00 0.42 0.40 0.35	Very limited Deep to water	1.00
WsC: Winler-----	50	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Lismas-----	25	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 0.63 0.40	Very limited Deep to water	1.00
ww: Water (greater Than 40 Acres)-----	100	Not rated		Not rated	
ZaB: Zeona-----	85	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.24	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Harding County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
ZaD: Zeona-----	80	Very limited Slope Filtering capacity Leaching limitation Droughty	1.00 1.00 0.45 0.24	Very limited Deep to water	1.00
ZbC: Zeona-----	55	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.24	Very limited Deep to water	1.00
Blownout Land-----	25	Not rated		Not rated	
ZpB: Zeona-----	55	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.24	Very limited Deep to water	1.00
Parchin-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.70 0.42 0.40	Very limited Deep to water	1.00

